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Control system regulating speed of drive roller - enables speed of roller
in rotary printing press to be equalised with paper-web speed

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Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3020847	A	19810108	DE 3020847	A	19800602	198103 B
DE 3020847	C	19840503			198419	

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Abstract (Basic): DE 3020847 A

The control system measures the tension in the paper web being moved by the roller. A signal representing this tension from an electro-dynamometer (16) is compared with a reference in a first comparator. A second comparator compares the peripheral speed of the roller with the feed speed of the paper web. A third comparator compares the outputs of the first and second comparators to produce a signal that controls the speed of the drive roller.

The tension in the web is thereby controlled continuously and slip between roller and web avoided along with the disadvantages (e.g. smudging of print) associated with such slip.